

REMARKS

Applicants would like to express appreciation to the Examiner for the detailed Official Action provided, for the acknowledgment of Applicants' Information Disclosure Statements (IDS) by return of the Forms PTO-1449, and for the acknowledgment of Applicants' Claim for Priority and Receipt of the certified copy of the priority documents in the Official Action. Upon entry of the present paper, claims 1, 4-5 and 9 will have been amended, and claims 2-3, 6-8 and 10-11 will have been canceled without prejudice or disclaimer. Claims 1, 4-5 and 9 are pending before the Examiner. Initially, Applicants note that independent claim 1 has been amended to generally incorporate the features of original dependent claim 3; independent claim 5 has been amended to generally incorporate the features of original dependent claims 6-8; and independent claim 9 has been amended to generally incorporate the features of original dependent claims 10-11. Applicants respectfully request reconsideration and withdrawal of the outstanding rejections of the claims pending in the present application. Such action is respectfully requested and is now believed to be appropriate.

The Examiner has rejected claims 1-7 and 9-11 under 35 U.S.C. § 102(e) as being anticipated by U.S. Patent No. 6,747,428 to KWON et al., finding that it teaches all limitations of these claims. Applicants respectfully traverse the Examiner's rejection, and note that KWON does not teach or disclose at least the claimed: reactor connected in parallel to a capacitor that countervails an inductance of a coil wound in the motor of the reciprocating compressor, and cuts off a surge current applied to the motor at an initial stage, by increasing the inductance, as generally claimed in independent claim 1; a relay connected in parallel to a capacitor that countervails an inductance of a coil wound

in a motor of the reciprocating compressor and for cutting off an overcurrent applied to the motor, as generally claimed in independent claim 5; and/or the positive temperature coefficient thermistor connected to the capacitor in parallel and for cutting off an overcurrent generated when the reciprocating compressor is initiated at an initial stage, and a reactor connected to the positive temperature coefficient thermistor in series and for cutting off a surge current generated when the reciprocating compressor is initiated at the initial stage, by increasing an inductance, as generally claimed in independent claim 9.

To the contrary, KWON merely discloses a reactor 3 for absorbing a reactive power from the utility power supplied through the utility power supply 1 according to the turning on/off operation of the first relay 2, and providing the utility power to a main winding C1 of a compressor motor 'M', a second relay 4 for monitoring a voltage on the reactor 3, a first contact 4a connected parallel to the third reactor 3 for being opened or closed by the second relay 4, an operating capacitor 5 connected in parallel to the third reactor 3, a starting capacitor 6 connected in parallel with the operating capacitor 5, a third relay 7 for monitoring a voltage at starting, a second contact 7a fitted to a fore end of the second relay 4 for being opened or closed by the third relay, and a third contact 7b fitted to a rear end of the starting capacitor. Thus, KWON does not teach or disclose the present claimed invention.

With respect to the Examiner's rejection of dependent claim 4 (which has merely been amended to reflect the amendments made to claim 1 from which it depends), since this claim is dependent from independent claim 1, which is allowable for at least the reasons discussed *supra*, this dependent claim is also allowable for at least these

reasons. Further, claim 4 recites additional features which further define the present invention over the references of record. It is thus respectfully submitted that the rejected claims are patentably distinct from the references of record.

Absent a disclosure in a single reference of each and every element recited in a claim, a *prima facie* case of anticipation cannot be made under 35 U.S.C. § 102. Since the applied reference fails to disclose each and every element recited in independent claims 1, 5 and 9, and the claim dependent from claim 1, these claims are not anticipated thereby. Accordingly, the Examiner is respectfully requested to withdraw the rejection under 35 U.S.C. § 102.

The Examiner has rejected dependent claim 8 under 35 U.S.C. § 103(a) as being obvious over KWON in view of U.S. Patent No. 6,715,301 to SONG. While claim 8 has been canceled, as noted *supra*, Applicants have amended independent claim 5 in generally incorporate the limitations of claim 8. In this regard, Applicants note that SONG merely discloses a voltage detecting unit 402 for detecting a motor voltage applied to the reciprocating compressor 400 by increasing the stroke of the piston, a current detecting unit 404 for detecting current applied to the reciprocating compressor 400 by increasing the stroke of the piston, and a microcomputer 406 for calculating a stroke using the detected voltage and current by the voltage detecting unit 402 and the current detecting unit 404, comparing the calculated stroke with a stroke reference value, outputting a switching control signal according to the comparison between the calculated stroke value and the stroke reference value, and outputting a relay control signal by determining whether a driving load is great or small. In this regard, SONG fails to anticipate or render obvious the invention of claim 5, since SONG further fails to

teach or disclose at least a relay connected in parallel to a capacitor that countervails an inductance of a coil wound in a motor of the reciprocating compressor and for cutting off an overcurrent applied to the motor.

Thus, Applicants respectfully submit that each and every pending claim of the present application meets the requirements for patentability at least under 35 U.S.C. §§102 and 103, and respectfully request the Examiner to indicate the allowance of each and every pending claim in the present application.

SUMMARY AND CONCLUSION

In view of the fact that none of the art of record, whether considered alone, or in any proper combination thereof, discloses or suggests the present invention, reconsideration of the Examiner's action and allowance of the present application are respectfully requested and are believed to be appropriate.

Applicants note that this amendment is being made to advance prosecution of the application to allowance, and should not be considered as surrendering equivalents of the territory between the claims prior to the present amendment and the amended claims. Further, no acquiescence as to the propriety of the Examiner's rejection is made by the present amendment. All other amendments to the claims which have been made in this amendment, and which have not been specifically noted to overcome a rejection based upon the prior art, should be considered to have been made for a purpose unrelated to patentability (e.g., for cosmetic and/or clarification purposes and/or to render the claim terminology consistent throughout the claims), and no estoppel should be deemed to attach thereto.

Should there be any questions, the Examiner is invited to contact the undersigned at the below-listed telephone number.

William S. Boshnick  
Reg. No. 44,550

Respectfully Submitted,  
Eon-Pyo HONG et al.



Bruce H. Bernstein  
Reg. No. 29,027

July 2, 2007  
GREENBLUM & BERNSTEIN, P.L.C.  
1950 Roland Clarke Place  
Reston, VA 20191  
(703) 716-1191